CROWELL & MORING, LLP Intellectual Property Group P.O. Box 14300 Washington, D.C. 20044-4300 (202) 624-2500

November 21, 2003

Customer No. **23911**

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Re: New U.S. Patent Appln. Our Ref: 010482.52966US

Sir:

Transmitted herewith for filing is the patent application of:

Ryusuke NODA

entitled:

OPTICAL DISC APPARATUS

Enclosed are:

- 1. Specification, including 7 claims (pages 1-23).
- 2. 7 Sheets of formal drawings showing Figs. 1-10.
- 3. Application Data Sheet.
- 4. Executed Declaration and Power of Attorney.
- 5. Assignment of the invention to Funai Electric Co., Ltd.
- 6. Certified copy of Priority Document 2002-338152 filed in Japan on November 21, 2002, the priority of which is being claimed under 35 U.S.C. §119 and 37 C.F.R. §1.55.
- 7. Information Disclosure Statement w/2 references.
- 8. The filing fee has been calculated as shown below:

Basic Fee Total Claims $\frac{7}{1}$ - 20 Independent Claims $\frac{1}{1}$ - 3 Multiple Dependent Claim Presented	$= \underbrace{0}_{0} x$	\$385/770 = \$ 9/18 = \$ 43/86 = \$145/290 =	\$770.00 \$ \$ \$
Total Filing Fee			\$770.00

Two checks in the amount of \$770.00 for the filing fee and \$40.00 for the assignment recording fee are enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 05-1323 (Docket #010482.52966US). A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Jeffrey D. Sanok Reg. No. 32,169 10/717606 10/717606 112103

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